



02-24-03

1651
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Daniel J. O'SULLIVAN Group Art Unit: 1651
Serial No.: 09/884,894 Examiner: D. K. Ware
Filed: June 19, 2001 Docket No.: 110.01290101
Confirmation No.: 1710
Title: BIFIDOBACTERIA AND SIDEROPHORES PRODUCED THEREBY AND METHODS OF USE

Assistant Commissioner for Patents
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ **Small entity status is entitled to be asserted in the above-identified application.**
- ☒ An itemized return postcard.
- ☒ A Petition for Extension of Time for one month, and a check in the amount of \$55.00 for the required fee.
- ☒ A Supplemental Information Disclosure Statement (2 pgs), 1449 form (1 pg); and copies of 2 documents cited on the 1449 form, and a check in the amount of \$180.00 for the required fee.
- ☐ A certified copy of a application, Serial No. , filed , the right of priority of which is claimed under 35 U.S.C. §119.
- ☒ Other: Amendment and Response (16 pgs., including 5 pgs. of Appendix A).
- ☒ No Additional fee is required. The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims	32	40	0	x \$9 =	\$0
Independent Claims	19	24	0	x \$42 =	\$0
One or More New Multiple Dependent Claims Presented? If Yes, Add \$140 Here →					
Total Additional Claim Fees Required					\$0

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813



26813
PATENT TRADEMARK OFFICE

By: David L. Provence
Name: David L. Provence
Reg. No.: 43,022
Direct Dial: 612-305-1005
Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10:
"Express Mail" mailing label number: EV 183607880 US Date of Deposit: February 21, 2003
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By: Sandy Truehart
Name: SANDY TRUEHART

(SMALL ENTITY TRANSMITTAL UNDER RULE 1.10)



#15B/PR

PATENT
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AMENDMENT AND RESPONSE

Assistant Commissioner for Patents
Washington D.C. 20231

Dear Sir:

In response to the Office Action mailed October 21, 2002, please amend the above-identified application as follows:

In the Specification

Please replace the paragraph beginning at page 11, line 12, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

B'

The ability to secrete a siderophore can be measured by various methods, including testing the ability of the siderophore to inhibit the replication of a microbe that does not produce the siderophore. Such a microbe is referred to herein as an "indicator strain." The replication of an indicator strain is considered to be inhibited when the doubling time of the indicator strain on a particular media containing a siderophore is increased relative to the doubling time of the indicator on the same media not containing the siderophore. Preferably, the doubling time of the indicator strain is increased by at least about 10%, more